



PATENT
Attorney Docket No. 206579
Client Reference No. 97/33267-IGB

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kiesewetter et al.

Application No. 09/646,651

Filed: January 16, 2001

For: METAL-CONTAINING RIBONUCLEOTIDE
POLYPEPTIDES

Art Unit: 1635

Examiner: J. Schultz

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PENDING CLAIMS AFTER AMENDMENTS
MADE IN RESPONSE TO OFFICE ACTION DATED SEPTEMBER 19, 2002

8. A metal-containing ribonucleotide protein (RPN) containing a protein from the family of S100 proteins, an RNA and copper as metal ion in the form of a ternary complex, characterized in that the RNA of the ternary complex has the following sequences:

(a1) ARNA I

Klon-3a (ARNA I)

AAAAAAAAAGGUUUUCAUGCGUGCUCACAGAU CAGCUCUUUCUGGAU
UGAAAAGCUAAGCACAGAACAUUGGGAAAAUCCUUUCAUAUGGCUGUGUU
UACAAACAAAAAGUAUAAACAUCUUGAGCAAACAGAAAUGGUGAGGAAAA
CUUUGUUAGCAGAUUAG [SEQ ID NO:3]

or

(a2) ARNA VI

Klon-P10 (ARNA VI)

UUACAGCUCUUCUGUUUAUAAGUUAUUCAAUACCAAUUAGUAGUU
UGUAUGUUAUAAAUUUGUAGGAAAAUAAUUAUAUAUGCUUACUUUGUACA
UAAAAAUAAAAACAUGACUUCUUUAGACACUCCUUCAUUAGAAAUAAAAU
AAAAUAAACUAUUAGCAGUUUGACUUCAUGUUCUGUCUGUAGGUCAUGGA
AUCCUGUCCUUACAAUAUUUAUUGAUUGUGAAAAUAUCAGUAAAUAAGCA
AUUGAAUAUGUUUACCUUUUCUUCUAGUCACUAUGUUCUUAGAGUUAUGA
CA [SEQ ID NO:4]

9. A process for producing a metal-containing ribonucleotide protein (RPN) according to claim 8, characterized in that leucocytes or inflammation tissue is homogenized or leucocytes are cultivated and the resulting RNP is recovered from the homogenates or from the supernatant of the culture solution by standard methods.

10. A use of the metal-containing ribonucleotide protein (RPN) according to claim 8 and/or molecular-biological equivalent structures and/or fragments and/or derivatives for producing a medicament for specifically influencing angiogenesis.